



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**PATENT APPLICATION**

**Inventor(s):** Paul Glor Howard

**Docket No.:** 2001-0370

**Application No.:** 10/086,102

**Filing Date:** February 28, 200<sup>2</sup>~~3~~

**Examiner Name:**

**Group Art Unit:** 2613

**Title:** System and Method For Using Pattern Vectors For Video and Image  
Coding and Decoding

**MAIL STOP: Non-Fee Response**  
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**SIR:**

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08A. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b).



1. This information disclosure statement is being filed within three months of the filing date of a national application other than a continued prosecution application under §1.53(d); within three months of the date of the entry of the national stage as set forth in §1.491 in an international application; before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under §1.114. No certification or fee is required. (37 C.F.R. §1.97(b)). A copy of the European Search report is included with the references for the Examiner's convenience.



2. This information disclosure statement is being filed more than three months after the filing date of a national application other than a continued prosecution application under §1.53(d); more than three months after the date of the entry of the national stage as set forth in §1.491 in an international application, after the mailing date of a first Office action on the merits, or after the mailing of a first Office action after the filing of a request for continued examination under §1.114, but before the mailing

date of any of a Final action under §1.113, a Notice of Allowance under §1.311 or an action that otherwise closes prosecution in the application. (37 C.F.R. §1.97(c)).

☐ a. I hereby certify that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. (37 C.F.R. §1.97 (e)(1)).

☐ b. I hereby certify that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to my knowledge after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement. (37 C.F.R. §1.97 (e)(2)).

☐ c. Please debit Deposit Account No. 01-2745 in the amount of \$180.00 to cover the fee under 37 C.F.R. §1.17(p) and to ensure consideration of the disclosed information.

☐ 3. This information disclosure statement is being filed after the mailing date of any of a Final action under §1.113, a Notice of Allowance under §1.311, or an action which otherwise closes prosecution, whichever occurs first, but on or before payment of the Issue Fee. (37 C.F.R. §1.97(d)).

☐ a. I hereby certify that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. (37 C.F.R. §1.97(e)(1)).

☐ b. I hereby certify that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement. (37 C.F.R. §1.97(e)(2)).

☐ c. Please debit Deposit Account No. 01-2745 in the amount of \$180.00 to cover the fee under 37 C.F.R. §1.17(p) and ensure consideration of the disclosed information.

Respectfully,

Date: Dec. 20, 2003

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Middletown, New Jersey 07748-4110

By: Thomas M. Isaacson

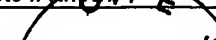
Thomas M. Isaacson, Attorney

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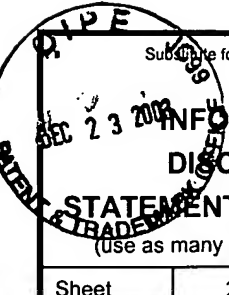
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Complete if Known 	
Application Number	10/086,102
Filing Date	02/28/2003
First Named Inventor	Paul Glor Howard
Group Art Unit	2613
Examiner Name	
Attorney Docket Number	2001-0370

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number (if known)	Kind Code <sup>2</sup>				
	1	PCT	06/19045		National SemiConductor Corp.	June 20, 1996		<input type="checkbox"/>
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 Subtitle for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/086,102
		Filing Date	2/28/2003
		First Named Inventor	Paul Glor Howard
		Group Art Unit	2613
Examiner Name			
Sheet 2 of 2	Attorney Docket Number	2001-0370	

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Nister D. et al. "An Embedded DCT-Based Still Image Coding Algorithm" IEEE Signal Processing Letters, IEEE Signal Processing Society, June 1, 1998. ISSN: 1070-9908	<input type="checkbox"/>
	2	Gonzales C.A.: "DCT Coding For Motion Video Storage Using Adaptive Arithmetic Coding", Signal Processing, Image Communication, Elsevier Science Publishers, Amsterdam, NL, Vol. 2, No. 2, August 1, 1990. ISSN: 0923-5965	<input type="checkbox"/>
	3	Howard, P.G. et al. "Arithmetic Coding for Data Compression", Proceedings of the IEEE, IEEE. New York, US, Vol. 82, no. 6, June 1, 1994. ISSN: 0018-9219	<input type="checkbox"/>
	4	Kondo H. et al. "Digital Image Compression Using Directional Sub-block DCT", Proceedings of 16 <sup>th</sup> International Conference on Communication Technology (ICCT'00), Beijing, China, vol. 1, August 21, 2000.	<input type="checkbox"/>
		<div> <div>RECEIVED</div> <div>DEC 30 2003</div> <div>Technology Center 2600</div> </div>	<input type="checkbox"/>
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\*EXAMINER: Initial if referenced considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> Applicant is to place a check mark here if English language translation is attached.

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